

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of :  
Ihab HAMADEH, et al. :  
Serial No.: Group Art Unit:  
Filed: July 11, 2003 Examiner:  
For: REAL-TIME PACKET TRACEBACK AND ASSOCIATED PACKET MARKING  
STRATEGIES

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

**Serial No.:**

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

MCDERMOTT, WILL & EMERY

  
Keith E. George  
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**Date: July 11, 2003**

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**CLAIM OF PRIORITY**

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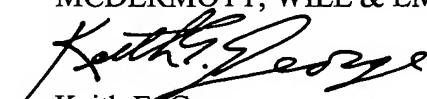
Sir:

In accordance with the provisions of 35 U.S.C. 119, Applicant hereby claims the priority of:

U.S. Provisional Patent Application No. 60/395,838, filed July 12, 2002,  
and  
U.S. Provisional Patent Application No. 60/470,337, filed May 14, 2003.

Respectfully submitted,

MCDERMOTT, WILL & EMERY

  
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<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>				ATTY. DOCKET NO. <b>59516-042</b>	SERIAL NO.	
				<b>APPLICANT</b> <b>Ihab HAMADEH, et al.</b>		
(PTO-1449)				FILING DATE <b>July 11, 2003</b>	GROUP	
<b>U.S. PATENT DOCUMENTS</b>						
EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code <sub>2</sub> ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	A1	US 2003/0036970	02/20/2003	BRUSTOLONI		
	A1	US 2003/0035370	02/20/2003	BRUSTOLONI		
<b>FOREIGN PATENT DOCUMENTS</b>						
EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes -Number +-Kind Codes ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation
						Yes
<b>OTHER ART</b> (Including Author, Title, Date, Pertinent Pages, Etc.)						
EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
		KIM, et al. "ACtive edge-Tagging (ACT): An Intruder Identification & Isolation Scheme in Active Networks" IEEE (2001) pp.29-34.				
		SONG, et al. "Advanced and Authenticated Marking Schemes for IP Traceback" IEEE INFOCOM (2001) pp.1-9.				
		BURCH, et al. "Tracing Anonymous Packets to Their Approximate Source" LISA XIV New Orleans, LA (December 3-8, 2000) pp.313-321.				
		STONE, Robert "CenterTrack: An IP Overlay Network for tracking DoS Floods" Proceedings of the 9th USENIX Security Symposium Denver, CO (August 14-17, 2000).				
		BELLOVIN, Steven, "iTrace" (Work in Progress) Internet Draft by Network Working Group, draft-bellovin-itrace-00.txt (March, 2000) pp.1-5.				
		WU, et al. "Intention-Driven ICMP Trace-Back" (Work in Progress) Internet Draft by Internet Engineering Task Force (February, 2001) pp.1-10.				
		MOGUL, et al. "Path MTU Discovery" Network Working Group Request for Comments (RFC) 1191 (November, 1990) pp.1-19.				
		FERGUSON, et al. "Network Ingress Filtering: Defeating Denial of Service Attacks Which Employ IP Source Address Spoofing" Network Working Group Request for Comments (RFC) 2267 (January, 1998) pp.1-10.				
		SNOEREN, et al. "Hash-Based IP Traceback" SIGCOMM'01 San Diego, CA (August 27-31, 2001) pp.3-14.				
		SAVAGE, et al. "Practical Network Support for IP Traceback" SIGCOMM'00 Stockholm, Sweden (2000).				
		HAMADEH, et al. "Packet Marking for Traceback of Illegal Content Distribution" in Proc. International Conference on Cross-Media Service Delivery (CMSD), ISBN 1-4020-7480-8, Santorini, Greece, May 31, 2003				
		PARK, et al. "On the Effectiveness of Route-Based Packet Filtering for Distributed DoS Attack Prevention in Power-Law Internets" SIGCOMM'01 San Diego, CA (August 27-31, 2001).				
		PARK, et al. "On the Effectiveness of Probabilistic Packet Marking for IP Traceback under Denial of Service Attack" extended abstract, full paper available as Tech. Rep. CSD-00-013, Department of Computer Sciences, Purdue University (June, 2000).				
		HAMADEH, et al. "Performance of IP Address Fragmentation Strategies for DDoS Traceback" in Proc. IEEE Workshop on IP Operations and Management (IPOM'03), Kansas City, Missouri, October 1, 2003				
		SCHNACKENBERG, et al. "Infrastructure for Intrusion Detection and Response" Proceedings of the DARPA Information Survivability Conference and Exposition (DISCEX) Hilton Head, S.C. (January 25-27, 2000) pp. 1-9.				
		DOEPPNER, et al. "Using Router Stamping to identify the Source of IP Packets" CCS'00 Athens, Greece (2000) pp.184-189.				
EXAMINER				DATE CONSIDERED		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.